

STILLAGUAMISH – SOUTH FORK STILLAGUAMISH CHINOOK

This stock was called Stillaguamish fall Chinook in the 1992 SASSI. In this SaSI revision run timing designations have been dropped from most Puget Sound Chinook stock names because they have been inconsistently applied. The major spawning location (South Fork) has been substituted in this stock name.

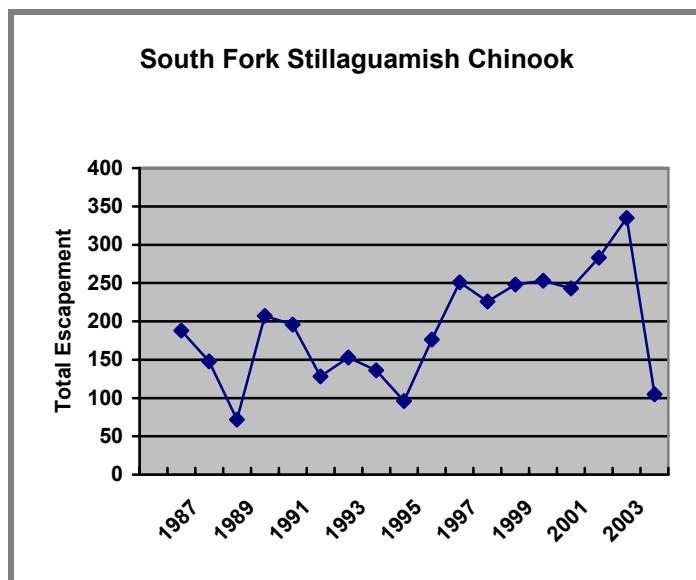
STOCK STATUS

1992 STATUS	2002 STATUS
Depressed	Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: *Good*

YEAR	TOTAL ESCAPEMENT
1986	297
1987	256
1988	210
1989	274
1990	267
1991	301
1992	294
1993	345
1994	287
1995	223
1996	251
1997	226
1998	248
1999	253
2000	243
2001	283
2002	335
2003	105



Data are total escapement estimates based on redd counts for the entire South Fork Stillaguamish basin.

Stock status is rated **Depressed** in 2002 due primarily to low stock productivity. The mean number of spawners for brood years 1988 through 1997 is 267, which should have 2,281 recruits. However, the observed mean is only 908 recruits. In addition, the mean number of spawners is less than the recovery goal of 3,600 spawners established for the stock by EDT analysis (Koenings, Williams and Goodridge 2002).

STOCK DEFINITION

South Fork Stillaguamish Chinook were identified as a stock based on their distinct spawning distribution and spawning timing.

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SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem and South Fork Stillaguamish and in Canyon, Jim and Pilchuck creeks.

SPAWNING TIMING: Spawning generally occurs in September and October.

GENETIC ANALYSIS: Genetic analysis has shown that this stock is genetically distinct from the North Fork Chinook stock. It is more closely related to Snohomish basin Chinook stocks than is the North Fork stock (Marshall et al. 1995).

STOCK ORIGIN

This is a **native** stock with **wild** production.